

2006 HURRICANE SEASON

1 JUNE - 30 NOVEMBER

OVERVIEW

- 2005 HURRICANE SEASON
- STRIKE PROBABILITIES
- 2006 NAMES
- FORECAST VERIFICATION
- LATEST FORECAST FOR 2006

2005 HURRICANE SEASON

- RECORD YEAR!!!
 - 27 Named Cyclones:
 - 14 Hurricanes
 - 7 of which were Cat 3 or higher: Dennis, Emily, Katrina, Maria, Rita, Wilma, and Beta
 - 8 Made Landfall
 - Rita and Wilma – Cat 3
 - Katrina – Cat 4
 - First Year that Greek Alphabet had to be used
 - Epsilon – set record for longest lasting hurricane in December

**PROBABILITIES FOR AT LEAST ONE MAJOR (CATEGORY 3-4-5)
HURRICANE LANDFALL ON EACH OF THE FOLLOWING
COASTAL AREAS:**

- Entire U.S. coastline - **81%** (average for last century is **52%**)
- U.S. East Coast Including Peninsula Florida - **64%** (average for last century is **31%**)
- Gulf Coast from the Florida Panhandle westward to Brownsville - **47%** (average for last century is **30%**)
- Above-average major hurricane landfall risk in the Caribbean

STORM NAMES FOR 2006

Alberto
Beryl
Chris
Debby
Ernesto
Florence
Gordon
Helene
Isaac
Joyce
Kirk

Leslie
Michael
Nadine
Oscar
Patty
Rafael
Sandy
Tony
Valerie
William

FORECAST VERIFICATION 2001-2005



Weather Research Center

ORBITAL CYCLONE STRIKE INDEX FORECASTS

YEAR	2001	2002	2003	2004	2005
HIGHEST STRIKE PROBABILITY					
Forecast:	LA-AL(70%)	W.FL (80%)	NE US (70%)	W.FL (70%)	TX (70%)
Observed:	Allison	Hanna	Isabel	Bonnie Charley Frances Ivan	~
Forecast:	W.FL (70%)	~	GA-NC (70%)	~	W.FL (70%)
Observed:	Gabrielle	~	Isabel	~	~
Forecast:	LA-AL (70%)	~	~	~	~
Observed:	Allison	~	~	~	~
YEAR	2001	2002	2003	2004	2005
SECOND HIGHEST STRIKE PROBABILITY					
Forecast:	GA-NC(60%)	LA-AL (60%)	~	TX (60%)	GA-NC (60%)
Observed:	~	Isidore-Lili	Bill- ~	Ivan	~
Forecast:		TX___ (60%)	-	-	-
Observed:	~	Fay - Bertha	~	~	~
NUMBER OF STORMS Forecast:	9	6	7	7	10
Observed:	15	12	16	14	~
NUMBER OF HURRICANES Forecast:	6	3	5	4	5
Observed:	9	4	7	9	~
NUMBER OF HURRICANE DAYS Forecast:	20	15	21	16	21
Observed:	27	11	33	46	~
STORM STRIKES ALONG U.S. COAST Forecast:	3	3	3	3	4
Observed:	3	6	5	9	~
STRONG HURRICANES (CATEGORY 3 OR HIGHER) Forecast:	90%	50%	30%	60%	50%
Observed:	Iris Michelle	Isidore Lili	Fabian Isabel	Charley Frances Ivan	~

THE LOOK AHEAD 2006-2010

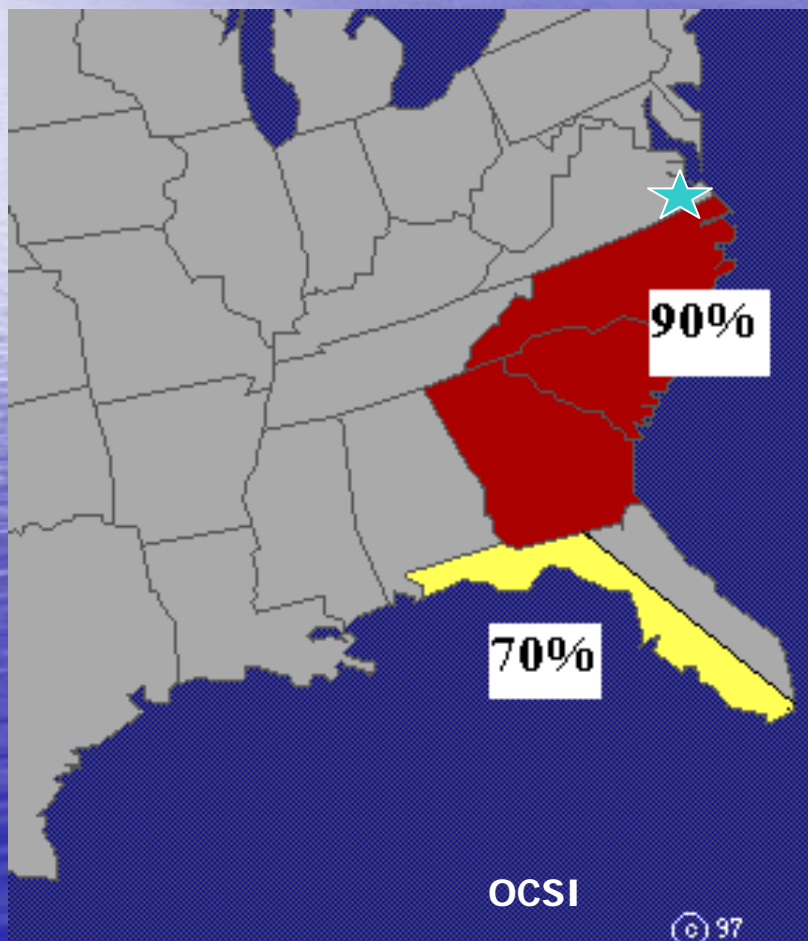


Weather Research Center

ORBITAL CYCLONE STRIKE INDEX BOX SCORES

YEAR	2006	2007	2008	2009	2010
HIGHEST STRIKE PROBABILITY					
Forecast:	GA/NC (90%)	LA/AL (70%)	W.FL (90%)	LA/AL (90%)	W.FL (60%)
Observed:	~	~	~	~	~
Forecast:	~	~	~	WFL(90%)	GA-NC(60%)
Observed:	~	~	~	~	~
Forecast:	~	~	~	~	LA-AL (60%)
Observed:	~	~	~	~	~
YEAR	2006	2007	2008	2009	2010
SECOND HIGHEST STRIKE PROBABILITY					
Forecast:	W.FL--(70%)	W.FL--(60%)	MEX--(70%)	TX(70%)	-----
Observed:	~	~	~	A~	~
~	~	~	~	~	~
Forecast:	~	GA-NC (60%)	E.FL (70%)	GA-NC 70%	~
Observed:	~	~	~	~	~
NUMBER OF STORMS Forecast:	11	7	8	10	8
Observed:					
NUMBER OF HURRICANES Forecast:	5	4	5	6	5
Observed:					
NUMBER OF HURRICANE DAYS Forecast:	24	7	25	30	20
Observed:					
STORM STRIKES ALONG U.S. COAST Forecast:	4	3	3	5	3
Observed:					
STRONG HURRICANES (CATEGORY 3 OR HIGHER)Forecast:	50%	50%	30%	80%	30%
Observed:		y			0
	~	~			~

2006 ATLANTIC COAST STRIKE PROBABILITY



During the 20-year period from 1985 to 2004, there have only been three years, 1987, 1992, and 1999 when a storm or hurricane did not make landfall in the section of the United States coastline that had the highest risk. In all three of these years cyclones made landfall in the section of the coast with the second highest risk.

2006 FORECAST

- Named storms: 17 [9.6 avg.]
- Named storm days: 85 [49.1 avg.]
- Hurricanes: 9 [5.9 avg.]
- Hurricane days: 45 [24.5 avg.]
- Intense hurricanes: 5 [2.3 avg.]
- Intense hurricane days: 13 [5 avg.]

Above Average expected— But,
not as bad as last season!



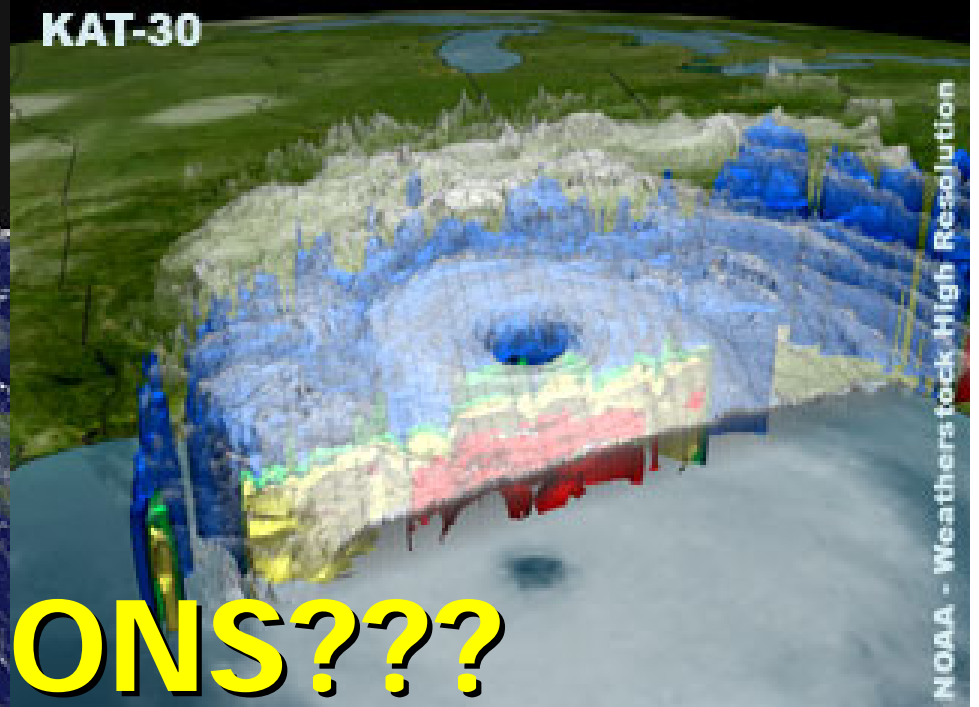
SUMMARY

- 2005 HURRICANE SEASON
- STRIKE PROBABILITIES
- 2006 NAMES
- FORECAST VERIFICATION
- LATEST FORECAST FOR 2006

KAT-37

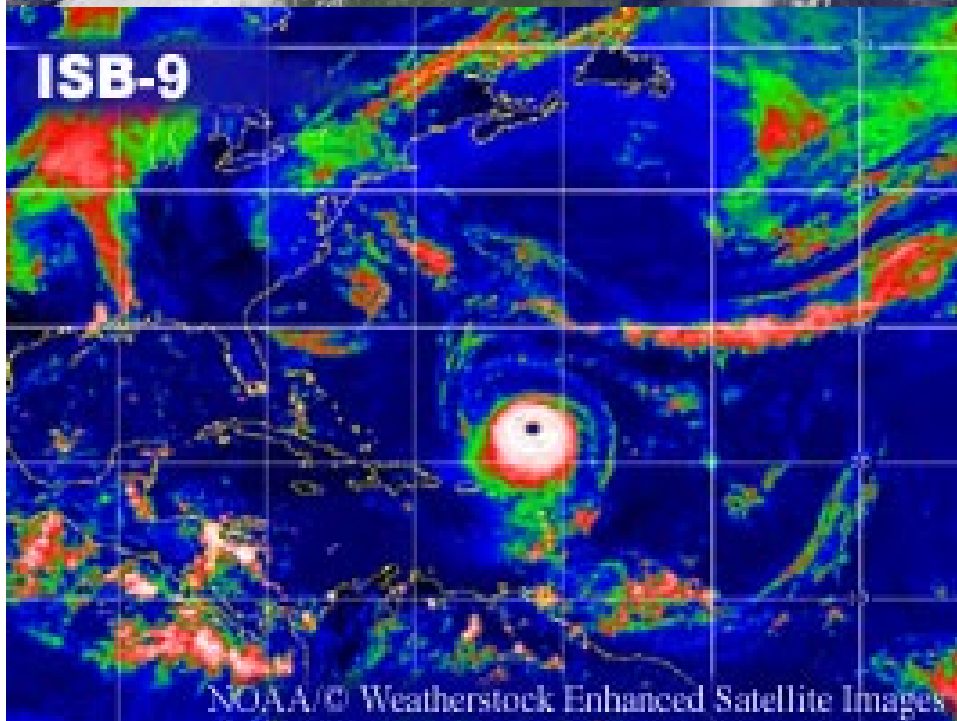


KAT-30

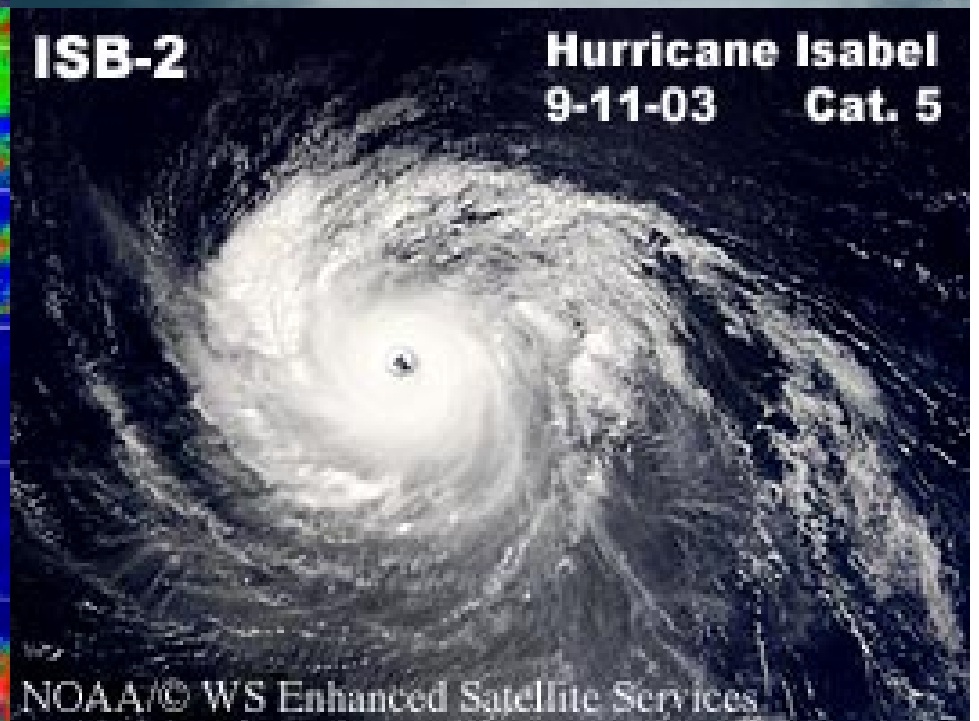


QUESTIONS???

ISB-9



ISB-2





Click on the Back Button to Exit
this Presentation.